

## 4. Technical Plan

The FreedomCAR and Vehicle Technologies (FCVT) Program develops technology for near- and mid-term automotive and truck fuel economy improvements and emissions reduction while aiding the transition to a hydrogen-based transportation system with advanced vehicle and propulsion technology. The *FCVT Multi-Year Program Plan* describes the activities of the Office of FCVT and the products that contribute to the goals of DOE, as well as the joint government-industry research efforts. Figure 13 lists the sections of the plan, which correspond to sub-programs in FCVT, and the advanced technology products targeting the goals of DOE/EERE/FCVT, the FreedomCAR and Fuel Partnership, and the 21<sup>st</sup> Century Truck Partnership (21<sup>st</sup> CTP).

The plan identifies the goals of each of the sub-programs; the status and approach, including targets versus current status; barriers that must be overcome to meet the targets; associated research task descriptions; and milestones to signify progress. Critical decision points are identified for the sub-programs in the plan, i.e., whether research should be continued, refocused, or discontinued based on technical achievements to that point in time. Various risk analysis tools are being analyzed to assist with these critical decision points.

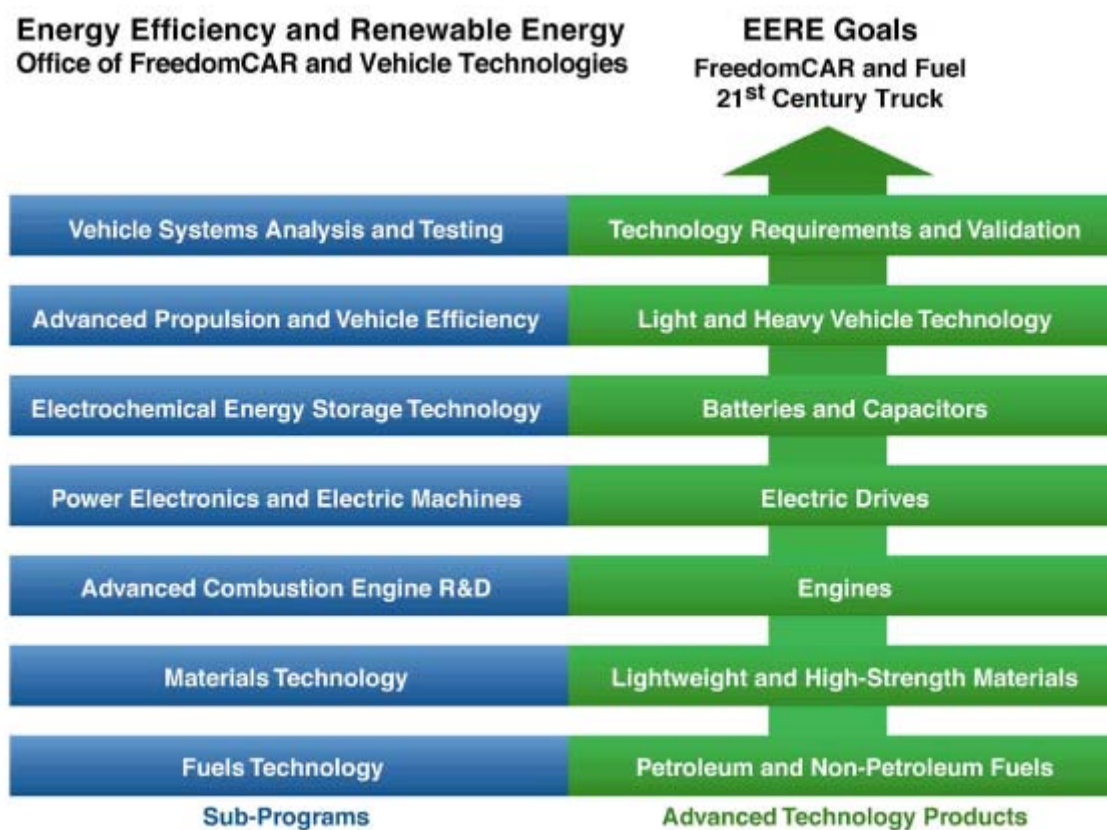


Figure 13. Sections of the plan, corresponding to FCVT sub-programs and advanced technology products.